BRUHATH BANGALORE MAHANAGARA PALIKE

BANASHANKARI 7TH STAGE

NAME OF THE WORK: IMPROVEMENTS TO DRAIN AT 9BX LAYOUT AT BAGALAGUNTE WARD NO. 14

Sl. No	Description	Dimensions				Est. Cost		5000000.00
		No.	L	B	D	Qty.	Rate	Amount
1	2	3	4	5	6	7	8	9
I	For Drain							
1	KDRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. WORTH (Chapter 3 (Page No.142, Item No. 19.1)							
	For drains	2	126.00	0.60	0.50	75.60		
		2	120.00	0.60	0.45	64.80		
		2	115.00	0.60	0.45	62.10		
		2	98.00	0.50	0.45	44.10		
	culvert	1	6.00	1.50	1.00	9.00		
						295.60	86.92	25687.00
							Per Cum	
	Basic Rate	82.00						
	Add 6% A.W	4.92						
	Total	86.92						
2	Removing B.S slab of Drain and stacking and Removing & Refixing stone slabs of drains and pointing in C.M (1:2) (Page No.25, Item No. 5.32 & 5.33)							
	For drains	2	126.00	1.35		340.20		
		2	120.00	1.35		324.00		
		2	115.00	1.35		310.50		
		2	98.00	1.35		264.60		
						1239.30		
	Deduct 80% for missing, broken & damaged B.S					991.44		
					Net qnty	247.86	146.28	36257.00
							Per Sqm	
	Basic Rate	138.00						
	Add 6% A.W	8.28						
	Total	146.28						

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
3	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.3)							
	For drains	2	126.00	0.45	0.15	17.01		
		2	120.00	0.45	0.15	16.20		
		2	115.00	0.45	0.15	15.53		
		2	98.00	0.45	0.15	13.23		
	culvert	1	6.00	1.50	0.15	1.35		
						63.32	5159.02	326643.00
							Per Cum	
	Basic Rate	4867.00						
	Add 6% A.W	292.02						
	Total	**5159.02**						
4	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 7.5 cms thick (Page No.25, Item No. 5.31.1)							
	Deducted 80% missing, broken & damaged B S slabs qnty vide item No. 2.					991.44		
						991.44	665.68	659982.00
							Per Sqm	
	Basic Rate	628.00						
	Add 6% A.W	37.68						
	Total	**665.68**						
5	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 10 cms thick (Page No.25, Item No. 5.31.2)							
	For drains	2	126.00	0.90		226.80		
		2	120.00	0.90		216.00		
						442.80	825.74	365638.00
							Per Sqm	
	Basic Rate	779.00						
	Add 6% A.W	46.74						
	Total	**825.74**						
6	KSRB 5-8.2: Providing two line dressing to granite stone slab/granite stone masonry as per specification. KBS 5.1.13 (Page No.24, Item No. 5.18)							
	For drains	2	126.00	0.90		226.80		
		2	120.00	0.90		216.00		

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
						442.80	963.54	426656.00
							Per Sqm	
	Basic Rate	909.00						
	Add 6% A.W	54.54						
	Total	963.54						
7	Providing Edge machine cutting to Granite slabs as per specification and direction of engineer in charge of the work.							
	For drains	2	126.00			252.00		
		2	120.00			240.00		
						492.00		
				492.00	/ 0.60	820.00	Nos	
				820.00	x3.00Mt	2460.00		
						2460.00	60.00	147600.00
							Per Rmt	
8	KSRB 5.3-3 : Providing and constructing granite / trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications.KBS 5.1.13 (Page No.23, Item No. 5.9)							
	Culvert	2	6.00	0.45	0.75	4.05		
						4.05	5305.30	21486.00
							Per Cum	
	Basic Rate	5005.00						
	Add 6% A.W	300.30						
	Total	5305.30						
9	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.13, Item No. 4.7)							
	For drains	4	126.00	0.20	0.075	7.56		
		4	120.00	0.20	0.075	7.20		
		4	115.00	0.20	0.075	6.90		
		4	98.00	0.20	0.075	5.88		
	Drain bed	2	126.00	0.45	0.10	11.34		
		2	120.00	0.45	0.10	10.80		
		2	115.00	0.45	0.10	10.35		
		2	98.00	0.45	0.10	8.82		
	Culvert	2	6.00	0.45	0.10	0.54		

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
						69.39	5598.92	388509.00
	Basic Rate	5282.00					Per Cum	
	Add 6% A.W	316.92						
	Total	**5598.92**						
10	KSRB 5-14.1 : Providing and construction load bearing wall with solid concrete block of Size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges scaffolding, curing, hire charges of machineries etc., Complete as specification(Page No.25, Item No. 5.27.1)							
	For drains	4	126.00	0.40		201.60		
		4	120.00	0.40		192.00		
		4	115.00	0.40		184.00		
		4	98.00	0.40		156.80		
						734.40	993.22	729421.00
	Basic Rate	937.00					Per Sqm	
	Add 6% A.W	56.22						
	Total	**993.22**						
11	Supplying and fixing precast reinforced conceret slabs 10cm thick of mix M20 using 20mm and sownsize graded grantite metal using reinforecement 100mm dia steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cuttng the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials							
		2	115.00	0.90		207.00		
		2	98.00	0.90		176.40		
	missing slabs	100	0.90	0.60		54.00		
						437.40	1698.00	742705.00
							PerSqm	
12	Providing & fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 200mm & down size with steel reinforcement including formwork, lift charges, curing & concrete finished surface both sides etc,. And as per drawing & the direction of Engineer-in-charge (Data Rate approved)							
		1	6.00	1.50		9.00		
						9.00	4764.00	42876.00
							PerSqm	

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
13	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm (Page No.25, Item No. 5.29.1)							
		2	126.00			252.00		
		2	120.00			240.00		
		2	115.00			230.00		
		2	98.00			196.00		
						918.00		
				918.00	/ 0.45	**2040.00**		
					Say	**2040.00**	385.84	787114.00
	Basic Rate	364.00					Nos	
	Add 6% A.W	21.84						
	Total	**385.84**						
14	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. (Page No.122, Item No.15.80)							
		2	126.00		0.45	113.40		
		2	120.00		0.45	108.00		
		2	115.00		0.45	103.50		
		2	98.00		0.45	88.20		
						413.10	27.56	11385.00
							Per Sqm	
	Basic Rate	26.00						
	Add 6% A.W	1.56						
	Total	**27.56**						
15	KSRB 15-19.2 : Providing and applying spary painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materiasl, labour, complete as per specifications. (Page No.122, Item No.15.81)							
	Qty vide item no 11					413.10		
						413.10	69.96	28900.00
	Basic Rate	66.00					Per Sqm	
	Add 6% A.W	3.96						
	Total	**69.96**						

Scanned by CamScanner

Sl. No	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
16	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM a) Basic rate for haulage of materials as per item No. 17.4/ KSRRB: M100-4,1 ... Rs. 2.00 Tonne / Km b) Average earth of work 1.28 Tonne / Km Rs, 2.00 c) Add loading and unloading Page. No. 133 Item No. 17.1 PWD SR 2016-17							
	Qty vide item no 1					255.60		
						255.60	85.65	21892.00
	Loading and unloading Charges	68.00					Per Cum	
	Lead 4 KMs 2.5x1.28x4	12.80						
		80.80						
	Add A W 6 %	4.85						
	Tota	85.65				Sub Total		4761040.00
	Tender Premium							238052.00
	Miscellaneous and unforeseen charges							908.00
						GRAND TOTAL Rs.		5000000.00

CERTIFICATE

1 The work spot have been inspected by me and work is found to be necessary.
2 This estimate is prepared as per the PWD & IWTD CSR of 2016-17
3 This work is not split up
4 The provisions were made in this estimate are adequete and essential
5 This works comes under BBMP Limits

Asst.Engineer
Ward No. 14

Asst.Executive Engineer
T.Dasarahalli Sub Division
B.B.M.P.

Executive Engineer
Dasarahalli Division
B.B.M.P.

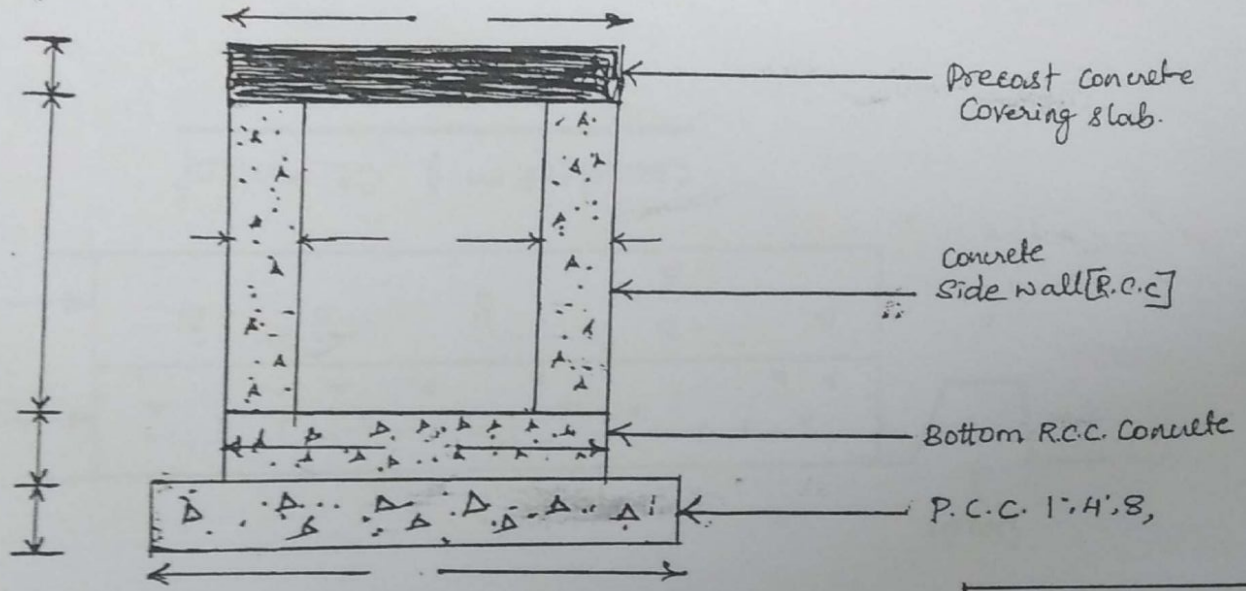
ಪಂ. EE/DD/AS/71/17-18 ದಿನಾಂಕ : 01-09-17
ರೂ. 50,00,000/- (Rupees fifty lakhs only)
ಆಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಿದೆ
ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಪೂರ್ವ ವಿಭಾಗ
ಕಾಡುಗೋಡಿ ಪಟ್ಟಣ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/179/17-18 ದಿನಾಂಕ : 25/9/17
ರೂ. Rs. 50.00 (Fifty) lakhs only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Scanned by CamScanner

Scanned by CamScanner

Name of Work:



Drain - Crossection

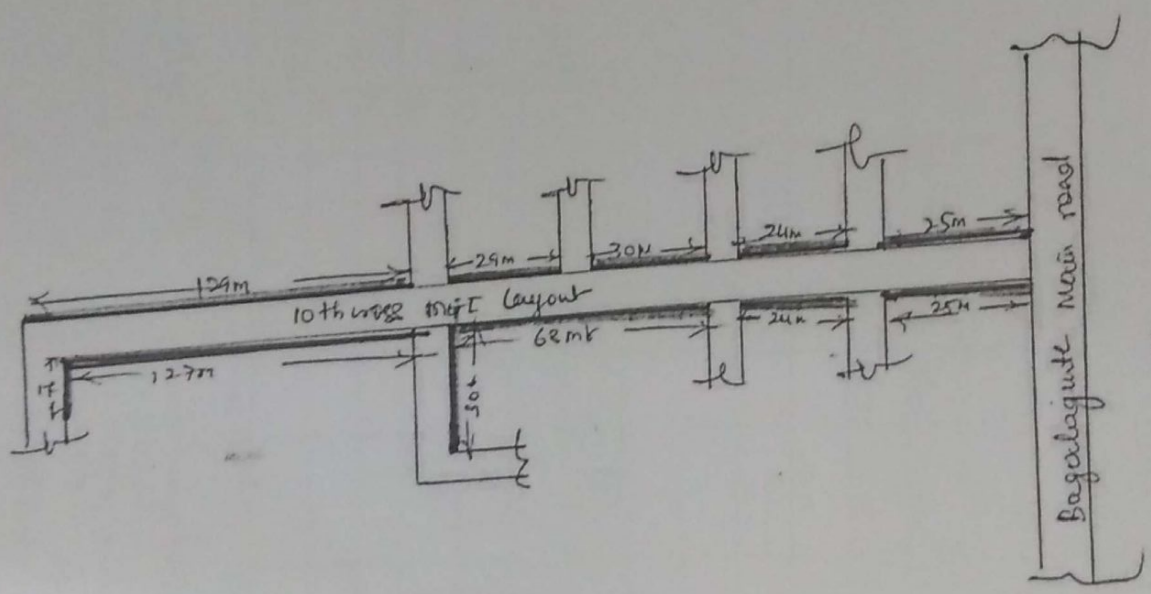
Note:-
1) All Dimensions are in Centimeters
2) Sketch is not to Scale

Assistant Engineer

Assistant Executive Engineer
Sub Division

Scanned by CamScanner

MEI Layout Work Spot



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

EXECUTIVE ENGINEER
Bruhat Bangalore Mahan...
Dasarahalli Zone, Bag...

Scanned by CamScanner